



**TELEDYNE
INSTRUMENTS**

Advanced Pollution Instrumentation

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Service Note

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VITON O-RINGS ON FT10 FITTINGS IN NOX ANALYZERS

I. SCOPE:

This service note addresses Viton versus Buna-N O-rings in the FT10 fittings on NOx reaction cells.

II. TOOLS:

None

III. PROCEDURE:

The fittings on top of NOx analyzer reaction cells are API part #FT10. These fittings have an o-ring built into them. These o-rings are made from Viton, which will withstand exposure to heat and ozone. It has come to API's attention that some fittings shipped to API in the past have contained Buna-N o-rings. These o-rings cannot withstand the heat and ozone exposure and will crack. The cracking of these o-rings causes leaking of ambient air into the reaction cell at the fitting. Even with the Viton o-rings, cracking will eventually occur.

When rebuilding reaction cells, API strongly recommends that you examine the o-rings on all FT10 fittings for cracks. If cracks are present, replace these o-rings with API part #OR34.

If you have questions regarding this, or any API product, please contact an API Customer Service Representative by phone, fax, or e-mail.

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